



Airport Cancellations / NAS Delays

Overview

- ▶ About Me
- ▶ Definitions
- ▶ Hypothesis
- ▶ Data Analysis

About Me

- ▶ New York, New York
- ▶ US Air Force
- ▶ Pace University
- ▶ Previous Experience

Definitions

- ▶ NAS – National Aviation System which consists of the airspace, navigation facilities and airports in the United States
- ▶ NAS Delay – Delays that are within the control of NAS ex. Airport operations, Non-extreme weather conditions, Heavy traffic volume, Air Traffic Control
- ▶ Cancellation Code C – NAS Related
- ▶ Taxi In – When the plane lands to when it arrives at the gate
- ▶ Taxi Out – From the gate to when the plane takes off

Hypothesis

- ▶ Changing the routes of the airlines from airports with higher delay times and high cancellations to neighboring airports with less cancellations and lower delays times will help improve the travel experience.

Data Analysis

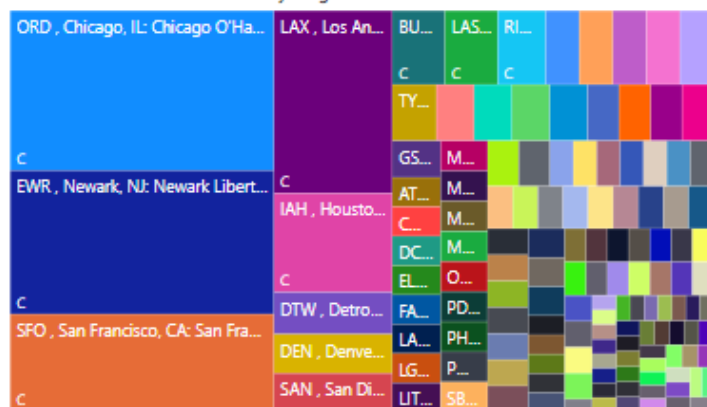


Airport Cancellations

Regions

- ☐ BUF , Buffalo, NY: Buffalo Niagara International
- ☐ EWR , Newark, NJ: Newark Liberty International
- ☐ IAH , Houston, TX: George Bush Intercontinental/Houston
- ☐ LAS , Las Vegas, NV: McCarran International
- ☐ LAX , Los Angeles, CA: Los Angeles International
- ☐ ORD , Chicago, IL: Chicago O'Hare International
- ☐ SAN , San Diego, CA: San Diego International
- ☐ SFO , San Francisco, CA: San Francisco International

Count of Cancellation Code by Regions and Cancellation Code



Count of Cancellation Code by Flight Date and Cancellation Code



Data Analysis Cont.

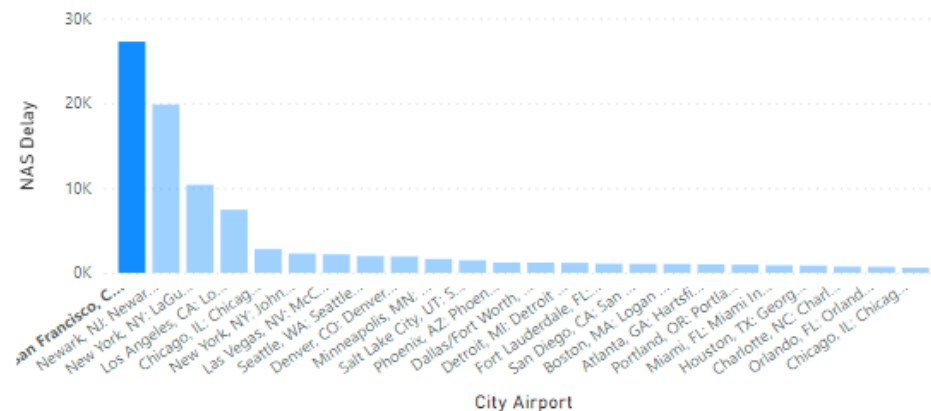
Airport NAS Delays

Date

12/15/2016

12/15/2016

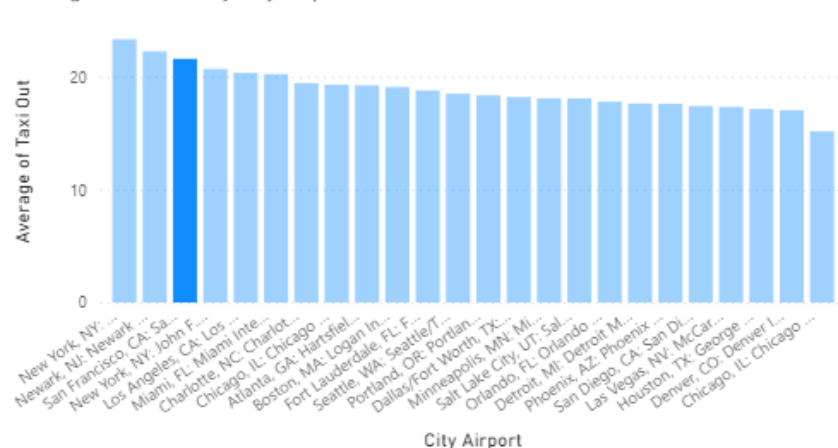
NAS Delay by City Airport



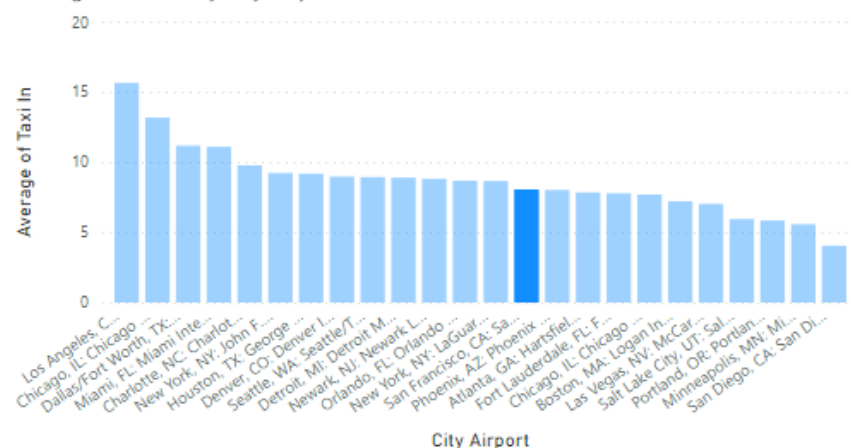
27.25K

NAS Delay

Average of Taxi Out by City Airport



Average of Taxi In by City Airport

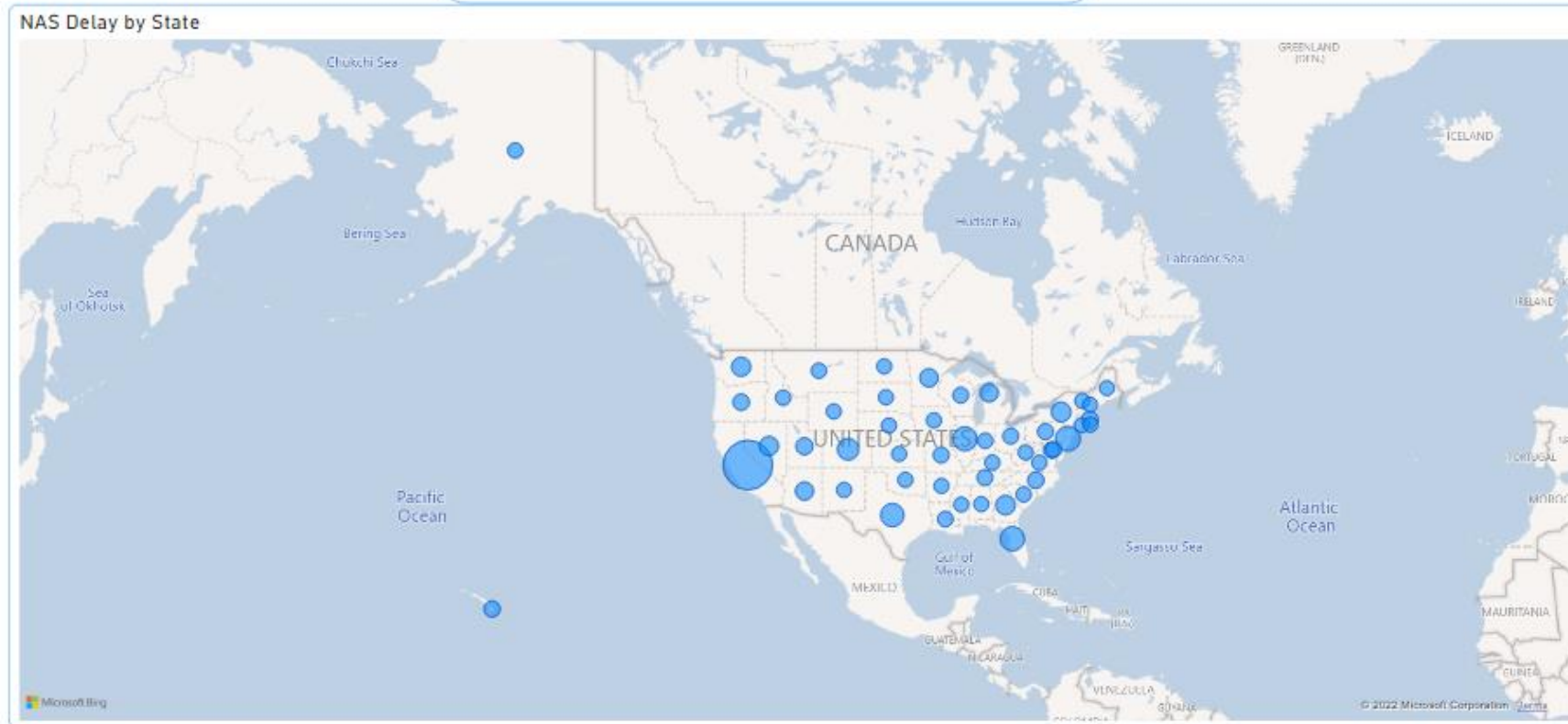


Filters

Data Analysis Cont.

NAS Delay Map

12/1/2016 12/31/2016



Filters





Thank you for your time

- ▶ Questions?
- ▶ Comments?